

[illegible]

c 239	14.2	74.7	915	22	AA007629	Human secreted pro
c 240	14.2	74.7	921	21	AA015268	Human prostate can
c 241	14.2	74.7	921	24	AA015268	Human ovarian can
c 242	14.2	74.7	935	22	AA024779	Human breast cancer
c 243	14.2	74.7	964	21	AA025676	Human transmembran
c 244	14.2	74.7	964	22	AA025676	Human genomic DNA
c 245	14.2	74.7	967	24	AA025676	Human secreted pro
c 246	14.2	74.7	971	20	AA025676	Human liver cDNA c
c 247	14.2	74.7	973	24	AA025676	Human NP-2B active
c 248	14.2	74.7	986	24	AA025676	Human osteoblast d
c 249	14.2	74.7	998	24	AA025676	Human osteoblast d
c 250	14.2	74.7	999	22	AA025676	Human osteoblast d
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6	AA678901	100	Protein	Protein 678901	AA678901
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8	AA890123	100	Protein	Protein 890123	AA890123
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13	AA312345	100	Protein	Protein 312345	AA312345
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100	AA012345	100	Protein	Protein 012345	AA012345

521	13.8	72.6	419	24	AB193439	Mouse ischaemic co
522	13.8	72.6	422	24	AB266372	Gene #2870 used to
523	13.8	72.6	422	22	AA531042	human c-myc
524	13.8	72.6	416	22	AA508303	human ATR-1 protein
525	13.8	72.6	446	22	AA526385	Human c-myc
526	13.8	72.6	446	22	AA539849	Human immunoglobulin
527	13.8	72.6	453	24	AA580753	Human c-myc
528	13.8	72.6	471	22	AA505284	T243 gene homolog
529	13.8	72.6	484	24	AB184147	Human ovarian cancer
530	13.8	72.6	491	24	AB292937	Gene #435 used to
531	13.8	72.6	491	24	AB162019	Ovarian adenocarcinoma
532	13.8	72.6	492	17	AA1936579	Partial genomic DN
533	13.8	72.6	494	22	AA552008	Human foetal liver
534	13.8	72.6	494	22	AA521822	Probe #288 for gen
535	13.8	72.6	494	22	AA506294	Human brain expres
536	13.8	72.6	531	22	AA522734	Human bone marrow
537	13.8	72.6	494	22	AA110464	Probe #296 for gen
538	13.8	72.6	494	22	AA131616	Probe #402 used to
539	13.8	72.6	494	22	AA130298	Probe #289 used to
540	13.8	72.6	494	22	AA500414	Human genome-deriv
541	13.8	72.6	495	23	AA565611	DNA encoding novel
542	13.8	72.6	500	21	AA539701	Zeta myosin DNA frag
543	13.8	72.6	535	22	AA126447	Human breast cancer
544	13.8	72.6	532	21	AB220533	Human ovarian cancer
545	13.8	72.6	531	22	AA131343	Human glioblastoma
546	13.8	72.6	534	22	AA529436	Probe #484 used to
547	13.8	72.6	531	24	AA580849	Human melanoma
548	13.8	72.6	531	24	AA580849	Human melanoma
549	13.8	72.6	533	21	AA509498	Human melanoma
550	13.8	72.6	537	23	AA591278	DNA encoding novel
551	13.8	72.6	537	23	AA591278	DNA encoding novel
552	13.8	72.6	593	23	AA526357	Probe #623 for gen
553	13.8	72.6	593	22	AA508195	Human brain expres
554	13.8	72.6	583	22	AA534075	Human bone marrow
555	13.8	72.6	583	22	AA139798	Probe #684 used to
556	13.8	72.6	600	22	AA525467	DNA encoding novel
557	13.8	72.6	600	23	AA578102	Human c-myc
558	13.8	72.6	638	22	AA526055	Human c-myc
559	13.8	72.6	651	22	AA526055	Human c-myc
560	13.8	72.6	673	21	AA580211	Aspergillus niger
561	13.8	72.6	673	21	AA580211	Aspergillus niger
562	13.8	72.6	676	22	AA570381	Human c-myc
563	13.8	72.6	681	24	AB561621	Human c-myc
564	13.8	72.6	681	24	AB561621	Human c-myc
565	13.8	72.6	700	22	AA192529	Human inflammatory
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567	13.8	72.6	705	23	AA523347	Human c-myc
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571	13.8	72.6	731	22	AA194963	Human neuroblastoma
572	13.8	72.6	741	22	AA522548	Human c-myc
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574	13.8	72.6	742	22	AA526483	Human c-myc
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576	13.8	72.6	746	22	AA533395	Human neuroblastoma
577	13.8	72.6	748	22	AA194450	DNA encoding novel
578	13.8	72.6	754	22	AA121526	Human breast cancer
579	13.8	72.6	869	22	AA160456	Human polyneurop
580	13.8	72.6	903	24	AA595453	Actinoplanes sp DN
581	13.8	72.6	917	22	AA524111	Human polyneurop
582	13.8	72.6	918	22	AA158670	Human polyneurop
583	13.8	72.6	926	22	AA521904	Human secreted pro
584	13.8	72.6	960	21	AA558467	Human c-myc
585	13.8	72.6	998	22	AA531593	Human c-myc
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589	13.8	72.6	1001	21	AA551119	Human c-myc
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591	13.8	72.6	1001	21	AA551119	Human c-myc
592	13.8	72.6	1050	18	AA185058	Myeloid leukemia
593	13.8	72.6	1059	24	AB592163	Prostate cancer-as

[illegible]


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XX 02-MAY-2001; 20-01US-2877210;
XX
XX (Comp-) Campbell INC;
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XX Bcl-11; Reisine T; Yasuda K;
XX
XX WH1; 1995-022804-00;
XX
XX P-ES06; AAR67669;
XX
XX polynucleotides and peptides derived from opioid receptor
XX polypeptides - for use in therapeutic compositions and in
XX screening assays for useful drug substances;
XX
XX (claim 10; Page 207-211; 40pp; English;
XX
XX The nucleotide sequence of the novel mouse kappa opioid receptor gene
XX mOPK1. The gene was isolated from a mouse brain cDNA library, using a
XX fragment (amplified from the cDNA library with primers AA075929-80) as a
XX probe. The primers are based on the conserved sequences present in the
XX second and third transmembrane domains of somatostatin (SMTF) receptor
XX subtypes SS1R1, SS1R2 and SS1R3. The 1.2 kb PstI fragment from the
XX mouse kappa opioid receptor gene, Lambda mOPK1 was subcloned into the
XX pRV-psi1 based expression vector pRV-psi1. The resultant construct
XX pRV-psi1 was transfected into COS-1 cells for protein production. The
XX gene encoding the opioid receptor can be used to produce complete,
XX truncated or chimeric opioid receptor proteins. The opioid receptors
XX thus produced are useful for the development of novel assays designed to
XX select or improve substances capable of interacting with the opioid
XX receptor proteins, for use in diagnosis, drug design and therapeutic
XX applications;
XX
XX Sequence 1410 BP; 422 A; 460 C; 337 G; 391 T; 0 other;
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XX Query Match 83.28; Score 15.8; DB 22; Length 1410;
XX Best Local Similarity 89.58; Pred. No. 4.7e-02;
XX Matches 17; Conservative 0; Mismatches 2; Gaps 0;
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XX 1 CAAAGACAGACAGCGCGCTC 19
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XX 1094 CAAAGACAGACAGCGCGCTC 1112
XX
XX RESULT 10
XX AA099600
XX 10 AA099600 standard; DNA; 122186 BP;
XX
XX AA099600;
XX
XX 00-MAY-2001 (first entry)
XX
XX Human histone deacetylase HDAC-1 coding sequence;
XX
XX Histone deacetylase; HDAC 1; HDAC 2; HDAC 3; HDAC 4; HDAC 5; HDAC 6;
XX HDAC 7; cell cycle; tumorigenesis; cancer; inhibitor; antisense;
XX gene therapy; ds;
XX
XX B-cell suppress;
XX
XX W1200071704 A2;
XX
XX 00-NV-2000;
XX
XX 00-MAY-2000; 200000-1401252;
XX
XX 00-MAY-1999; 9900-0132287;
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XX (Human) Histone H1 INC;
XX
XX MacLeod AB; 11 Z; Westerman EM;
XX
XX WP1; 2001-016407002;
XX
XX Antisense of homonucleolide that inhibits expression of a histone
XX deacetylase, useful for treating and/or alleviating the symptoms of
XX neoplasia, or for inhibiting neoplastic cell growth in an animal;
XX
XX disclosed; Page 89-125; 124pp; English;
XX
XX The present invention provides inhibitors of histone deacetylase activity
XX which increase the levels of HDAC 1, HDAC 2, HDAC 3, HDAC 4, HDAC 5, HDAC 6,
XX HDAC 7, HDAC 8, HDAC 9, HDAC 10, HDAC 11, HDAC 12, HDAC 13, HDAC 14, HDAC 15,
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Ca: minerals, cofactors and other nutritional components. The present
 cv: sequence encodes a novel secreted protein of the invention.

Query Match: 81.1%; Score 15.4; PB 22; Length 118;
 Best local similarity: 94.1%; Prod. No. 7.1e-02;
 Matches 16; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

27 2 CAAAGCAAGAGAGGCGCT 18
 10 11111111111111111111
 514 CAAAGAGAGAGGCGCGCT 540

FE0011.22

AAS259.0/0

Id: AAS259.0 standard; cDNA; 1416 bp.

XX AAS259.0;

XX 07 NOV-2001 (first entry)

DE Human cDNA encoding a novel secreted protein, Seq ID 169.

XX Human; immunosuppressive; antiarthritis; act; antirheumatic;

KW cytosol; cardiac; vasodilator; cerebroprotective; neotrophic;

KW neuroprotective; antihypertensive; vasodilator; functional; epithelial;

KW vasodilator; secreted protein; rheumatoid arthritis;

KW hyperproliferative disorder; cardiovascular disorder; cardiac arrest;

KW cerebrovascular disorder; cerebral ischaemia; anoxia; anoxia;

KW nervous system disorder; Alzheimer's disease; infection; ocular disorder;

KW bacterial infection; wound healing; epithelial cell proliferation;

KW skin ageing; food additive; preservative; antiproliferative;

XX S

XX Homo sapiens.

XX W200105422 A2.

XX 02-AUG-2001.

XX 17-JAN-2001; 2001W0-US01341.

XX 31-JAN-2000; 2000US-0179065.

XX 04-FEB-2000; 2000US-0180628.

XX 24-FEB-2000; 2000US-0184664.

XX 02-MAR-2000; 2000US-0186450.

XX 16-MAR-2000; 2000US-0189374.

XX 17-MAR-2000; 2000US-0190376.

XX 18-MAR-2000; 2000US-0191124.

XX 19-MAR-2000; 2000US-0205615.

XX 07-JUN-2000; 2000US-0209467.

XX 28-JUN-2000; 2000US-0214886.

XX 05-JUN-2000; 2000US-0215135.

XX 07-JUL-2000; 2000US-0216647.

XX 07-JUL-2000; 2000US-0216880.

XX 11-JUL-2000; 2000US-0217487.

XX 11-JUL-2000; 2000US-0217496.

XX 14-JUL-2000; 2000US-0218290.

XX 26-JUL-2000; 2000US-0220963.

XX 26-JUL-2000; 2000US-0220964.

XX 14-AUG-2000; 2000US-0224518.

XX 14-AUG-2000; 2000US-0224519.

XX 14-AUG-2000; 2000US-0225212.

XX 14-AUG-2000; 2000US-0225214.

XX 14-AUG-2000; 2000US-0225266.

XX 14-AUG-2000; 2000US-0225267.

XX 14-AUG-2000; 2000US-0225269.

XX 14-AUG-2000; 2000US-0225270.

XX 14-AUG-2000; 2000US-0225447.

XX 14-AUG-2000; 2000US-0225757.

XX 14-AUG-2000; 2000US-0225758.

XX 18-AUG-2000; 2000US-0226279.

XX 22-AUG-2000; 2000US-0226681.

XX 22-AUG-2000; 2000US-0226688.

PR 22-AUG-2000; 2000US-0227182.

PR 23-AUG-2000; 2000US-0227604.

PR 30-AUG-2000; 2000US-0229247.

PR 01-SEP-2000; 2000US-0229287.

PR 01-SEP-2000; 2000US-0229345.

PR 01-SEP-2000; 2000US-0229441.

PR 01-SEP-2000; 2000US-0229445.

PR 05-SEP-2000; 2000US-0229509.

PR 05-SEP-2000; 2000US-0229515.

PR 06-SEP-2000; 2000US-0230137.

PR 06-SEP-2000; 2000US-0230458.

PR 08-SEP-2000; 2000US-0231242.

PR 08-SEP-2000; 2000US-0231243.

PR 08-SEP-2000; 2000US-0231244.

PR 08-SEP-2000; 2000US-0231413.

PR 08-SEP-2000; 2000US-0231414.

PR 08-SEP-2000; 2000US-0232083.

PR 08-SEP-2000; 2000US-0232381.

PR 12-SEP-2000; 2000US-0231968.

PR 14-SEP-2000; 2000US-0232597.

PR 14-SEP-2000; 2000US-0232598.

PR 14-SEP-2000; 2000US-0232599.

PR 14-SEP-2000; 2000US-0232600.

PR 14-SEP-2000; 2000US-0232601.

PR 14-SEP-2000; 2000US-0232603.

PR 14-SEP-2000; 2000US-0232604.

PR 14-SEP-2000; 2000US-0232605.

PR 27-SEP-2000; 2000US-0234243.

PR 27-SEP-2000; 2000US-0234271.

PR 25-SEP-2000; 2000US-0234997.

PR 25-SEP-2000; 2000US-0234998.

PR 26-SEP-2000; 2000US-0235184.

PR 27-SEP-2000; 2000US-0235834.

PR 27-SEP-2000; 2000US-0235836.

PR 27-SEP-2000; 2000US-0235837.

PR 29-SEP-2000; 2000US-0236367.

PR 29-SEP-2000; 2000US-0236368.

PR 29-SEP-2000; 2000US-0236369.

PR 29-SEP-2000; 2000US-0236370.

PR 02-OCT-2000; 2000US-0236892.

PR 02-OCT-2000; 2000US-0237047.

PR 02-OCT-2000; 2000US-0237048.

PR 02-OCT-2000; 2000US-0237049.

PR 13-OCT-2000; 2000US-0237335.

PR 13-OCT-2000; 2000US-0237337.

PR 20-OCT-2000; 2000US-0240660.

PR 20-OCT-2000; 2000US-0241221.

PR 20-OCT-2000; 2000US-0241785.

PR 20-OCT-2000; 2000US-0241786.

PR 20-OCT-2000; 2000US-0241787.

PR 20-OCT-2000; 2000US-0241808.

PR 20-OCT-2000; 2000US-0241809.

PR 20-OCT-2000; 2000US-0241826.

PR 01-NOV-2000; 2000US-0244617.

PR 08-NOV-2000; 2000US-0244674.

PR 08-NOV-2000; 2000US-0244675.

PR 08-NOV-2000; 2000US-0244676.

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PR 08-NOV-2000; 2000US-0244678.

PR 08-NOV-2000; 2000US-0244679.

PR 08-NOV-2000; 2000US-0244680.

PR 08-NOV-2000; 2000US-0244681.

PR 08-NOV-2000; 2000US-0244682.

PR 08-NOV-2000; 2000US-0244683.

PR 08-NOV-2000; 2000US-0244684.

PR 08-NOV-2000; 2000US-0244685.

PR 08-NOV-2000; 2000US-0244686.

PR 08-NOV-2000; 2000US-0244687.

PR 08-NOV-2000; 2000US-0244688.

PR 08-NOV-2000; 2000US-0244689.

PR 08-NOV-2000; 2000US-0244690.

PR 08-NOV-2000; 2000US-0244691.

PR 08-NOV-2000; 2000US-0244692.

PR 17-NOV-2000; 2000US-0244693.

PR 17-NOV-2000; 2000US-0244694.

[illegible][illegible]

XX K013: 1999: 692658/13.
 XX P-1S00: AAK05552.
 XX Recombinant interferon regulator factor-1 -
 XX which plays an essential role in virus-induced activation of
 XX interferon beta gene transcription.
 XX
 XX The gene encodes IFR regulator factor 1 for expression in
 XX plasmid Lambda L28-8.
 XX
 XX Claim 7: Fig 4: 55pp: English.
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 XX Sequence: 2383 BP; 534 A; 537 C; 553 G; 456 T; 0 others;
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 XX Best Local Similarity: 94.1%; Pred. No. 7, 16-02;
 XX Matches: 16; Conservative: 0; Mismatches: 1; Indels: 0;
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 XX 2 CACAGAGAGCTGCT 18
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 XX 523 CACAGAGAGCTGCT 507
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 XX AAQ52650/1
 XX ID AAQ52650 standard; DNA: 2082 bp
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 XX AAQ52650:
 XX 26-MAY 1994 (first entry)
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 XX Sequence encoding murine interferon regulatory factor 1.
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 XX Interferon; interferon; beta; regulation; gene expression;
 XX regulatory element; ss.
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 XX Mus musculus.
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 XX CDS: 206..1195
 XX /tag: a
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 XX /misc_difference: 524..526
 XX /tag: b
 XX /transl_except: 600 encodes AAG.
 XX /misc_difference: 965..967
 XX /tag: c
 XX /transl_except: 207..208 encodes AT.
 XX
 XX EP571743 A.
 XX
 XX 01-005-1994.
 XX
 XX 17-AUG-1989: 89EP-0115158.
 XX
 XX 24-AUG-1989: 89EP-0114793.
 XX 24-AUG-1989: 88EP-0115602.
 XX
 XX (JANI/Z) IANIGUCHI T.
 XX
 XX Fujita T, Ishiguchi T;
 XX WP1: 1994-078709/48.
 XX P-1S00: AAK44218.
 XX
 XX Interferon regulatory factor - useful for controlling expression
 XX of interferon genes
 XX
 XX Disclosure: Page 26-29: 45pp: English.
 XX
 XX This sequence encodes murine interferon regulatory factor 1.

XX Sequence: 2082 BP; 536 A; 537 C; 553 G; 456 T; 0 others;
 XX Query Match: 81.1%; Score 15.4; DB 14; Length 2000;
 XX Best Local Similarity: 94.1%; Pred. No. 7, 16-02;
 XX Matches: 16; Conservative: 0; Mismatches: 1; Indels: 0;
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 XX AAQ16805:
 XX 26-JUN-2001 (first entry)
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 XX Human cDNA sequence SP2 Dc No:16054.
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 XX Human; primer; detection; diagnosis; and isense therapy; gene therapy; ss.
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 XX Homo sapiens.
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 XX EP107417 A2.
 XX 07-EPV-2001.
 XX
 XX 28-JUL-2000: 20-0EP-0116129.
 XX
 XX 29-08-1979: 99JP-0239050.
 XX 27-AUG-1979: 99JP-000254.
 XX 11-JAN-2000: 2000JP-0118776.
 XX 02-MAY-2000: 2000JP-016767.
 XX 09-JUN-2000: 2000JP-021899.
 XX
 XX (HELIX) HELIX RES INST.
 XX
 XX Ota T, Isenai T, Nishikawa T, Hayashi K, Sakai K, Yamaguchi T,
 XX Ishii S, Sugiyama Y, Wakamatsu A, Naito K, Otsuki T,
 XX WPL: 2001-13243/74.
 XX
 XX Primer sets for synthesized polynucleotides, particularly the full-
 XX length cDNA defined in the specification, and for the detection
 XX and/or diagnosis of the abnormality of the proteins encoded by the
 XX full-length cDNAs
 XX
 XX Claim 8: SEQ ID 16064: 253pp: 01-069: English.
 XX
 XX The present invention describes primer sets for synthesizing a
 XX full-length cDNA defined in the specification, where a primer set
 XX comprises: (a) an oligo dT primer and an oligonucleotide complementary
 XX to the complementary strand of a polynucleotide which comprises at least
 XX the 5' end sequence of the polynucleotide defined in the specification, where the
 XX oligonucleotide comprises at least 15 nucleotides; or (b) a primer set
 XX of an oligonucleotide comprising a sequence complementary to the
 XX complementary strand of a polynucleotide which comprises a 3' end
 XX sequence and an oligonucleotide comprising a sequence complementary to a
 XX polynucleotide which comprises a 5' end sequence, where the
 XX oligonucleotide comprises at least 15 nucleotides and the complementary
 XX the 5' end sequence of the polynucleotide defined in the specification;
 XX the specification, the primer sets can be used in an isosensitized
 XX in gene therapy, the primers are useful for synthesizing polynucleotides
 XX particularly full-length cDNAs, the primers are also useful for
 XX detection and/or diagnosis of the abnormality of the proteins encoded by
 XX the full-length cDNAs. The primers are also obtained from the full-length
 XX cDNAs easily without any special methods. AAK16805 to AAK16808 and
 XX AAK16809 to AAK16842 represent human cDNA sequences, AAK16843 to
 XX AAK95089 represent human amino acid sequences, and AAK16843 to AAK95089
 XX represent oligonucleotides, all of which are used in the specification
 XX of the present invention.

[illegible]

26. in samples (e.g., by enzyme-linked immunosorbent assay (ELISA)). The
 27. present sequence represents a putative HNP-1 DNA of the invention.
 28. Sequence ID No. 147 A: 88 C; 148 G; 149 A; 150 T; 151 C; 152 G; 153
 29. C; 154 A; 155 G; 156 T; 157 C; 158 G; 159 A; 160 T; 161 C; 162 G; 163
 30. A; 164 T; 165 C; 166 G; 167 A; 168 T; 169 C; 170 G; 171 A; 172 T; 173 C; 174
 31. G; 175 A; 176 T; 177 C; 178 G; 179 A; 180 T; 181 C; 182 G; 183 A; 184 T; 185
 32. C; 186 G; 187 A; 188 T; 189 C; 190 G; 191 A; 192 T; 193 C; 194 G; 195 A; 196
 33. T; 197 C; 198 G; 199 A; 200 T; 201 C; 202 G; 203 A; 204 T; 205 C; 206 G; 207
 34. A; 208 T; 209 C; 210 G; 211 A; 212 T; 213 C; 214 G; 215 A; 216 T; 217 C; 218
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